

CLAIMS

1 Device for mixing and applying a paste such as bone
cement or the like, including a cylinder (3) receiving the
paste, a piston (1) reciprocable in the cylinder (3), a
5 piston rod (2) displaceable and rotatable in the piston (1)
and forming mixing means (21) for paste received in the
cylinder 3, and latch means for interconnecting the piston
(1) and the piston rod (2) to allow displacement of the
piston (1) in the cylinder (3) by means of the piston rod
10 (2) for deposition of the paste outside the cylinder (2),
characterized in that means are provided for locking the
piston rod (2) to the piston (1) by jamming, said means
allowing the piston rod (2) to be locked to the piston (1)
at any position along the complete length of the piston rod
15 (2).

2 Device according to claim 1, **characterized** in that
the device is a single use device.

3 Device according to claim 1, **characterized** in that
the piston is divided into front (6) and back (7)
20 components rotatable relative one another.

4 Device according to claim 1, **characterized** in that
the cylinder (3) is gas tight, which enables mixing of the
paste under vacuum.

5 Device according to claim 1, **characterized** in that
25 the jamming means in the piston (1) include a lock member
(10) with a central hole receiving the piston rod, which
member (10) in the jamming position is supported in a
position laterally displaced relative to the centre axis of
the piston rod (2).

6 Device according to claim 1, **characterized** in that
30 an external ring (5) or the like on the cylinder is
rotatable for locking of the piston (1) to the piston rod
(2).

7 Device according to claim 6, **characterized** in that
35 the external ring (5) or the like is secured by securing

means (14), to prevent the ring (5) from being turned accidentally.

8 Device according to claim 6, **characterized** in that the piston rod (2) is restricted from being pulled
5 backwards by an elastic body (16) provided behind the piston (1).

9 Device according to claim 1, **characterized** in that the piston (1) is provided with sealing means (12, 13) to ensure the gastightness of the cylinder (3).

10 10 Device according to claim 1, **characterized** in that single use is guaranteed by irreversibly locking the piston (1) to the piston rod (2).